

# SEQUENCE LISTING

<110> White, David

<120> COMPOSITIONS, KITS, AND METHODS FOR PROGNOSTICATION, DIAGNOSIS, PREVENTION, AND TREATMENT OF BONE-RELATED DISORDERS AND OTHER DISORDERS

<130> 10147-16U1

<140> US 09/628,495

<141> 2000-07-28

<150> US 60/146,614

<151> 1999-07-30

<160> 9

<170> PatentIn version 3.1

<210> 1

<211> 613

<212> PRT

<213> Homo sapiens

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Cys Ala Met Val Ile Thr Ile Val Val Asp Leu Ile Gly Asn Ser Met  
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Val Ile Leu Ala Val Thr Lys Asn Lys Lys Leu Arg Asn Ser Gly Asn  
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Ile Phe Val Val Ser Leu Ser Val Ala Asp Met Leu Val Ala Ile Tyr  
65 70 75 80

Pro Tyr Pro Leu Met Leu His Ala Met Ser Ile Gly Gly Trp Asp Leu  
85 90 95

Ser Gln Leu Gln Cys Gln Met Val Gly Phe Ile Thr Gly Leu Ser Val  
100 105 110

Val Gly Ser Ile Phe Asn Ile Val Ala Ile Ala Ile Asn Arg Tyr Cys  
115 120 125

Tyr Ile Cys His Ser Leu Gln Tyr Glu Arg Ile Phe Ser Val Arg Asn

130

135

140

Thr	Cys	Ile	Tyr	Leu	Val	Ile	Thr	Trp	Ile	Met	Thr	Val	Leu	Ala	Val
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Leu Pro Asn Met Tyr Ile Gly Thr Ile Glu Tyr Asp Pro Arg Thr Tyr  
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Thr Cys Ile Phe Asn Tyr Leu Asn Asn Pro Val Phe Thr Val Thr Ile  
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Val Ile Phe Leu Leu Phe Ala Val Cys Trp Cys Pro Ile Asn Val Leu  
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Thr Val Leu Val Ala Val Ser Pro Lys Glu Met Ala Gly Lys Ile Pro  
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Asn Trp Leu Tyr Leu Ala Ala Tyr Phe Ile Ala Tyr Phe Asn Ser Cys  
275 280 285

Leu Asn Ala Val Ile Tyr Gly Leu Leu Asn Glu Asn Phe Arg Arg Glu  
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Tyr Trp Thr Ile Phe His Ala Met Arg His Pro Ile Ile Phe Phe Pro  
305 310 315 320

Gly Leu Ile Ser Asp Ile Arg Glu Met Gln Glu Ala Arg Thr Leu Ala  
325 330 335

Arg Ala Arg Ala His Ala Arg Asp Gln Ala Arg Glu Gln Asp Arg Ala  
340 345 350

His Ala Cys Pro Ala Val Glu Glu Thr Pro Met Asn Val Arg Asn Val  
355 360 365

Pro Leu Pro Gly Asp Ala Ala Ala Gly His Pro Asp Arg Ala Ser Gly  
 370 375 380

His Pro Lys Pro His Ser Arg Ser Ser Ser Ala Tyr Arg Lys Ser Ala  
 385 390 395 400

Ser Thr His His Lys Ser Val Phe Ser His Ser Lys Ala Ala Ser Gly  
 405 410 415

His Leu Lys Pro Val Ser Gly His Ser Lys Pro Ala Ser Gly His Pro  
 420 425 430

Lys Ser Ala Thr Val Tyr Pro Lys Pro Ala Ser Val His Phe Lys Gly  
 435 440 445

Asp Ser Val His Phe Lys Gly Asp Ser Val His Phe Lys Pro Asp Ser  
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Val His Phe Lys Pro Ala Ser Ser Asn Pro Lys Pro Ile Thr Gly His  
 465 470 475 480

His Val Ser Ala Gly Ser His Ser Lys Ser Ala Phe Ser Ala Ala Thr  
 485 490 495

Ser His Pro Lys Pro Ile Lys Pro Ala Thr Ser His Ala Glu Pro Thr  
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Thr Ala Asp Tyr Pro Lys Pro Ala Thr Thr Ser His Pro Lys Pro Ala  
 515 520 525

Ala Ala Asp Asn Pro Glu Leu Ser Ala Ser His Cys Pro Glu Ile Pro  
 530 535 540

Ala Ile Ala His Pro Val Ser Asp Asp Ser Asp Leu Pro Glu Ser Ala  
 545 550 555 560

Ser Ser Pro Ala Ala Gly Pro Thr Lys Pro Ala Ala Ser Gln Leu Glu  
 565 570 575

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Asp Glu Met Ala Val  
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 <213> Mus sp.

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Pro Ala Leu Ile Ile Phe Met Phe Cys Ala Met Val Ile Thr Val Val  
 35 40 45

Val Asp Leu Ile Gly Asn Ser Met Val Ile Leu Ala Val Thr Lys Asn  
 50 55 60

Lys Lys Leu Arg Asn Ser Gly Asn Ile Phe Val Ala Ser Leu Ser Val  
 65 70 75 80

Ala Asp Met Leu Val Ala Ile Tyr Pro Tyr Pro Leu Met Leu Tyr Ala  
 85 90 95

Met Ser Val Gly Gly Trp Asp Leu Ser Gln Leu Gln Cys Gln Met Val  
 100 105 110

Gly Leu Val Thr Gly Leu Ser Val Val Gly Ser Ile Phe Asn Ile Thr  
 115 120 125

Ala Ile Ala Ile Asn Arg Tyr Cys Tyr Ile Cys His Ser Leu Gln Tyr

140

Gln Val Arg Glu Gln Glu Arg Ala Arg Ala Cys Val Ala Val Glu Gly  
355 360 365

Thr Pro Arg Asn Val Arg Asn Val Leu Leu Pro Gly Asp Ala Ser Ala  
 370 375 380

Pro His Ser Asp Arg Ala Ser Val Arg Pro Lys Pro Gln Thr Arg Ser  
 385 390 395 400

Thr Ser Val Tyr Arg Lys Pro Ala Ser Ile His His Lys Ser Ile Ser  
 405 410 415

Gly His Pro Lys Ser Ala Ser Val Tyr Pro Lys Pro Ala Ser Ser Val  
 420 425 430

His Cys Lys Pro Ala Ser Val His Phe Lys Pro Ala Ser Val His Phe  
 435 440 445

Lys Gly Asp Ser Val Tyr Phe Lys Gly Asp Thr Val His Tyr Arg Ala  
 450 455 460

Ala Ser Lys Leu Val Thr Ser His Arg Ile Ser Ala Gly Pro Ser Thr  
 465 470 475 480

Ser His Pro Thr Ser Met Ala Gly Tyr Ile Lys Ser Gly Thr Ser His  
 485 490 495

Pro Ala Thr Thr Thr Val Asp Tyr Leu Glu Pro Ala Thr Thr Ser His  
 500 505 510

Ser Val Leu Thr Ala Val Asp Leu Pro Glu Val Ser Ala Ser His Cys  
 515 520 525

Leu Glu Met Thr Ser Thr Gly His Leu Arg Ala Asp Ile Ser Ala Ser  
 530 535 540

Val Leu Pro Ser Val Pro Phe Glu Leu Ala Ala Thr Pro Pro Asp Thr  
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Asp Asp Asp Ser Asp Asp Ser Asp Cys Ser Asp Glu Met Ala Val  
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<212> PRT

<213> Rattus sp.

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Asp Val Leu Pro Asn Val Tyr Ile Gly Thr Ile Glu Tyr Asp Pro Arg  
35 40 45

Thr Tyr Thr Cys Tyr Phe Asn Tyr Val Asn Asn Pro Ala Phe Thr Val  
50 55 60

Thr Ile Val Cys Ile His Phe Val Leu Pro Leu Ile Ile Val Gly Tyr  
65 70 75 80

Cys Tyr Thr Lys Ile Trp Ile Lys Val Leu Ala Asp Arg Asp Pro Ala  
85 90 95

Gly Gln Asn Pro Asp Asn Gln Phe Ala Glu Val Arg Asn Phe Leu Thr  
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<211> 357

<212> DNA

<213> Rattus sp.

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<211> 257

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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